

FORM PTO-1390) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV. 9-2001)		ATTORNEY'S DOCKET NUMBER 912.40887X00 filed December 18, 2001
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		
INTERNATIONAL APPLICATION NO. <b>PCT/GB00/01713</b>	INTERNATIONAL FILING DATE <b>May 5, 2000</b>	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>107018217</b>
PRIORITY DATE CLAIMED <b>June 19, 1999</b>		
<b>TITLE OF INVENTION</b> <b>PACKET WITH MINIATURE AUDIO DEVICE</b>		
APPLICANT(S) FOR DO/EO/US <b>BAILEY, THOMAS CAHILL, MICHAEL COOKE, MICHAEL ARTHUR GRANT, PETER WILLIAM</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))        a. <input type="checkbox"/> is transmitted hereto (required only if not communicated by the International Bureau).        b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.        c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office(RO/US)</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).        a. <input checked="" type="checkbox"/> is attached hereto.        b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))        a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).        b. <input type="checkbox"/> have been communicated by the International Bureau.        c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.        d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Figs. 1-2, Credit Card Payment Form, International Preliminary Examination Report, PCT Request Form, International Publication No. WO 00/78616</p>		

U.S. APPLICATION NO. (If known, see 37 CFR 1.4) <b>10/018217</b>	INTERNATIONAL APPLICATION NO. PCT/GB00/01713	ATTORNEY'S DOCKET NUMBER 912.40887X00			
21. The following fees are submitted:		CALCULATIONS PTO USE ONLY			
<b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1) - (5)):</b>					
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....		<b>\$1040.00</b>			
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....		<b>\$890.00</b>			
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International search fee (37 CFR 1.445(a)(2)) paid to USPTO.....		<b>\$740.00</b>			
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4). .....		<b>\$710.00</b>			
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4). .....		<b>\$100.00</b>			
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>\$890.00</b>			
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).		<input type="checkbox"/> 20 <input type="checkbox"/> 30      \$			
<b>CLAIMS</b>		<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>	<b>\$</b>
Total Claims		18- 20 = 0		x \$18.00	\$
Independent Claims		1- 3 = 0		x \$84.00	\$
<b>MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</b>					+ \$280.00
					<b>\$</b>
					<b>TOTAL OF ABOVE CALCULATIONS =</b> <b>\$890.00</b>
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.					<b>\$</b>
					<b>SUBTOTAL =</b> <b>\$890.00</b>
Processing fee of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(f)).		<input type="checkbox"/> 20 <input type="checkbox"/> 30      \$			
					<b>TOTAL NATIONAL FEE =</b> <b>\$890.00</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property					<b>\$</b>
					<b>TOTAL FEES ENCLOSED =</b> <b>\$890.00</b>
					<b>Amount to be refunded:</b> <b>\$</b>
					<b>charged:</b> <b>\$</b>
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. <b>01-2135</b> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposition Account No. <b>01-2135</b> . A duplicate copy of this sheet is enclosed.					
d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
<p>Antonelli, Terry, Stout &amp; Kraus, LLP      1300 North Seventeenth Street      Suite 1800      Arlington, VA 22209      USA</p>					
 SIGNATURE Robert M. Bauer NAME _____ 34,487 REGISTRATION NO. _____					

10/018217  
JC07 Rec'd FCT/PTO 18 DEC 2001  
912.40887X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas William BAILEY, et al.  
Application No.: Not yet Assigned  
Filing Date: Simultaneously Herewith  
Title: PACKET

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

December 18, 2001

Sir:

Prior to examination, please amend the above-identified application as follows.

IN THE TITLE:

Please amend the title to read as follows:

--PACKET WITH A MINIATURE AUDIO DEVICE--

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 1, line 16, with the following rewritten paragraph:

According to one aspect of the preferred embodiments a packet comprises a miniature audio device, and a switch or other actuatable means for actuating the device on opening the packet or otherwise gaining access to the contents or part of the contents. The device may be internal in the sense that it is contained within the packet (although not necessarily in the same compartment as the main packet contents), or external, e.g. affixed to an outer wall of

the packet. The packet contents may be a group of articles removable individually, e.g. cigarettes.

Please replace the paragraph beginning at page 1, line 24, with the following rewritten paragraph:

The switch or other actuatable means may be actuated manually, or at least semi-automatically, on opening of the packet. Thus, a tab or tape may be connected to the switch and in the case of hinged lid packets connected also to the lid such that on initial or preferably each opening of the lid, the tab or tape actuates the switch. Alternatively, a tab or tape connected to the switch may be exposed on first opening of a packet and may be moved or movable manually on first or subsequent access to the packet contents. For example, pulling on a tape to actuate the switch may be associated with a lifting strip which displaces a first cigarette after opening of the packet so as to allow easier grasping by a smoker. Such lifting strips could be used with hinged lid cigarette packs or with so-called soft packs. It may not be necessary for there to be a physical connection between the switch and part of the packet or its contents to cause actuation of the device, e.g. the switch could be a proximity switch and respond to movement or a photodetector responding to light when the packet is opened.

Please replace the paragraph beginning at page 2, line 21, with the following rewritten paragraph:

The preferred embodiments will be further described, by way of example only, with reference to the accompanying diagrammatic drawings, in which:

Figure 1 is a side view of a hinged lid cigarette packet, and

Figure 2 is a sectional view on the line II-II in Figure 1.

**IN THE CLAIMS:**

Please cancel claim 19 and amend claims 1, 3-5, 7, 9, 11-12, 14 and 16-18 as follows:

1. (Amended) A packet comprising a miniature audio device, and a switch or other actuatable means for actuating the device on opening the packet or otherwise gaining access to the contents or part of the contents.
  
3. (Amended) A packet as claimed in claim 2, wherein the articles are cigarettes.
  
4. (Amended) A packet as claimed in claim 1, wherein the packet comprises a cigarette packet.
  
5. (Amended) A packet as claimed in claim 1, wherein the packet comprises a switch which is actuated on opening of the packet.
  
7. (Amended) A packet as claimed in claim 1, wherein the switch or other actuatable means is connected to a tab which is adapted to be moved to gain access to the packet contents.

9. (Amended) A packet as claimed in claim 1, wherein the switch or other actuatable means is actuated other than by physical connection between it and part of the packet or its contents.

11. (Amended) A packet as claimed in claim 9, wherein the switch or other actuatable means includes photoelectric means.

12. (Amended) A packet as claimed in claim 1, wherein the packet comprises a switch which is actuated by removal of at least one or part of the packet contents.

14. (Amended) A packet as claimed in a claim 1, wherein the miniature audio device is arranged to play a message related to the nature of the packet contents or their manufacturer.

16. (Amended) A packet as claimed in claim 1, wherein the miniature audio device is capable of recording and subsequently replaying a message.

17. (Amended) A packet as claimed in claim 1, wherein the miniature audio device is separated from the packet contents by at least one wall.

18. (Amended) A packet as claimed in claim 17, wherein the packet contents and said miniature audio device are contained in separate compartments.

**IN THE ABSTRACT:**

Please amend the Abstract to read as follows:

A packet incorporates a miniature audio device capable of playing an electronically recorded audible message on actuation of a switch particularly on opening of the packet or otherwise gaining access to the packet contents. The device could play a pre-recorded message containing speech and/or music, and/or could replay a message recorded by the consumer. The packet may contain cigarettes or other individual articles, the device preferably being located within a separate compartment contained within the packet.

10018247-030105

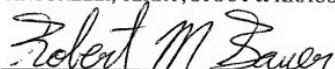
**REMARKS**

Attached hereto is a marked-up version of the changes made to the specification and the claims by the current preliminary amendment. The attached page is captioned "Version with markings to show changes made."

To the extent necessary, Applicants petition for an extension of time under 37 CFR § 1.136. Please charge any shortage in fees due in connection with the filing of this paper, or credit any overpayment of fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (912.40887X00).

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



Robert M. Bauer, Registration No. 34,487

RMB:cas  
(703) 312-6600

Attachment

VERSION WITH MARKINGS TO SHOW CHANGES MADEIn the Title

The Title has been amended to read as follows:

PACKET WITH A MINIATURE AUDIO DEVICE

In the Specification

Paragraph beginning at page 1, line 16, has been amended as follows:

According to one aspect of the present invention preferred embodiments a packet comprises ~~includes~~ a miniature audio device, and a switch or other actuatable means for actuating the device on opening the packet or otherwise gaining access to the contents or part of the contents. The device may be internal in the sense that it is contained within the packet (although not necessarily in the same compartment as the main packet contents), or external, e.g. affixed to an outer wall of the packet. The packet contents may be a group of articles removable individually, e.g. cigarettes. Accordingly, another aspect of the invention provides a cigarette packet including a miniature audio device

Paragraph beginning at page 1, line 24, has been amended as follows:

In either aspect of the invention the The switch or other actuatable means may be actuated manually, or at least semi-automatically, on opening of the packet. Thus, a tab or tape may be connected to the switch and in the case of hinged lid packets connected also to the lid such that on initial or preferably each opening of the lid, the tab or tape actuates the

switch. Alternatively, a tab or tape connected to the switch may be exposed on first opening of a packet and may be moved or movable manually on first or subsequent access to the packet contents. For example, pulling on a tape to actuate the switch may be associated with a lifting strip which displaces a first cigarette after opening of the packet so as to allow easier grasping by a smoker. Such lifting strips can be used with hinged lid cigarette packs or with so-called soft packs. It may not be necessary for there to be a physical connection between the switch and part of the packet or its contents to cause actuation of the device, e.g. the switch could be a proximity switch and respond to movement or a photodetector responding to light when the packet is opened.

Paragraph beginning at page 2, line 21, has been amended as follows:

The preferred embodiments invention will be further described, by way of example only, with reference to the accompanying diagrammatic drawings, in which:

Figure 1 is a side view of a hinged lid cigarette packet, and

Figure 2 is a sectional view on the line II-II in Figure 1.

### In the Claims

Claims 1, 3-5, 7, 9, 11-12, 14 and 16-18 have been amended as follows:

1. (Amended) A packet comprising including a miniature audio device, and a switch or other actuatable means for actuating the device on opening the packet or otherwise gaining access to the contents or part of the contents.

3. (Amended) A packet as claimed in ~~claim 1 or~~ claim 2, wherein the articles are cigarettes.

4. (Amended) A packet as claimed in claim 1, wherein the packet comprises a cigarette packet ~~including a miniature audio device~~.

5. (Amended) A packet as claimed in ~~any preceding~~ claim 1, wherein the packet ~~comprises~~ ~~incorporates~~ a switch which is actuated opening of the packet.

7. (Amended) A packet as claimed in ~~any preceding~~ claim 1, wherein the switch or other actuatable means is connected to a tab which is adapted to be moved to gain access to the packet contents.

9. (Amended) A packet as claimed in ~~any preceding~~ claim 1, wherein the switch or other actuatable means is actuated other than by physical connection between it an part of the packet or its contents.

11. (Amended) A packet as claimed in claim 9 ~~or claim 10~~, wherein the switch or other actuatable means includes photoelectric means.

912.40887X00

play a pre-recorded message containing speech and/or music, and/or could replay a message recorded by the consumer. The packet (40) may contain cigarettes or other individual articles, the device (24) preferably being located within a separate compartment (22) contained within the packet (40).

20100207.2018217.0001001

Packet

This invention relates to packets, particularly but not exclusively cigarette packets such as those having a hinged lid.

5 Miniature devices are known for use in greetings cards for playing an electronically recorded audible message on actuation of a switch, usually on opening of the card. Typically the audible message is recorded on electronic memory means provided as part of an integrated circuit. Usually associated with the circuit is a digital to analogue converter and a miniature loudspeaker or equivalent. It is also known to provide similar devices also incorporating a microphone and analogue to digital converter, thereby providing a facility to record a message for subsequent replay. Any device of this general kind, or otherwise capable of incorporation in or with a packet and of playing an audible message or sound on actuation of a switch or other actuatable means, is hereinafter referred to as a "miniature audio device".

10 According to one aspect of the present invention a packet includes a miniature audio device, and means for actuating the device on opening the packet or otherwise gaining access to the or part of the contents. The device may be internal in the sense that it is contained within the packet (although not necessarily in the same compartment as the main packet contents), or external, e.g. affixed to an outer wall of the packet. The packet contents may be a group 15 of articles removable individually, e.g. cigarettes. Accordingly, another aspect of the invention provides a cigarette packet including a miniature audio device.

20 In either aspect of the invention the switch may be actuated manually, or at least semi-automatically, on opening of the packet. Thus, a tab or tape may be connected to the switch and in the case of hinged lid packets connected also to the lid such that on initial or preferably each opening of the lid, the tab or tape actuates the switch. Alternatively, a tab or tape connected to the switch may be exposed on first opening of a packet and may be moved or movable manually 25 on first or subsequent access to the packet contents. For example, pulling on a tape to actuate the switch may be associated with a lifting strip which displaces a first cigarette after opening of the packet so as to allow easier grasping by a

smoker. Such lifting strips could be used with hinged lid cigarette packs or with so-called soft packs. It may not be necessary for there to be a physical connection between the switch and part of the packet or its contents to cause actuation of the device, e.g. the switch could be a proximity switch and respond to movement or a photodetector responding to light when the packet is opened.

The device may be actuated on the removal of a predetermined one or part of the packet contents, whereby a message related to the remaining quantity of contents of the packet may be played. For example, a message could be played reminding a consumer to obtain further supplies when only one or a few articles remain in the packet. In such case the switch could be connected so as to be actuated by removal or movement of the last or one of the last articles. An example of one product where such an arrangement would be useful is a packet containing sheets of labels.

The type of message could and normally would depend on the packet contents. Where the contents are cigarettes, messages containing speech and/or music associated in the consumer's mind with a particular brand or manufacturer could be played, or health or other warnings could be given. Where the message is spoken, this could be in any or several languages.

The term "packet" is used herein broadly e.g. to include bags or other containers.

The invention will be further described, by way of example only, with reference to the accompanying diagrammatic drawings, in which:

Figure 1 is a side view of a hinged lid cigarette packet, and

Figure 2 is a sectional view on the line II-II in Figure 1.

A hinged lid packet 10 has a body portion 12 and a lid portion 14 connected to the body portion along a hinge line 16. The body 12 contains a main compartment 18 having a base 20 for containing a group of cigarettes (not shown) usually wrapped in protective foil. The base 20 serves to separate the main compartment 18 from a sub-compartment 22 which contains a miniature audio device 24 having a movable switch 26. A tape 28 constructed from relatively stiff plastics material extends from the switch 26 through a small slot in the base 20 and along a side face of the main compartment 18 to a connection

30 on the corresponding side face of the lid 14. The connection 30 may be glued but the connection and/or tape preferably allows pivotal or bending movement of the tape when the lid 14 is opened. The switch 26 may incorporate a resilient connection to the device 24 so as to retract the tape 28 on closing of the lid, in which case the tape could be replaced by a thread; alternatively, the tape may be sufficiently stiff to close the switch on closing of the lid.

It will be appreciated that on opening of the lid 14 by hinging about the line 16 the tape 28 is pulled to actuate the switch 26. The device 24 may deliver an audible message or other sound while the switch 26 is in its actuated position (i.e. while the lid 14 is open) or may simply deliver a message or sound of predetermined length on each actuation.

The tape 28 could be replaced with a tape passing adjacent the rear face of the packet 10, as indicated at 28A in Figure 2. It will be appreciated that the location of the switch 26 on the device 24 needs to correspond with the position of the tape 28 or 28A.

A device similar to the device 24 could be located other than in a separate compartment within the packet, although it is preferred that the device is separated from the packet contents so as to avoid possible tainting of the cigarettes. The device 24 could be mounted externally of the packet, e.g. on the rear face, particularly where the device is of flat construction.

## Claims

1. A packet including a miniature audio device, and means for actuating the device on opening the packet or otherwise gaining access to the or part of the contents.  
5
  2. A packet as claimed in claim 1, wherein the contents comprise a group of articles removable individually.  
10
  3. A packet as claimed in claim 1 or claim 2, wherein the articles are cigarettes.  
15
  4. A cigarette packet including a miniature audio device.  
20
  5. A packet as claimed in any preceding claim, wherein the device incorporates a switch which is actuated on opening of the packet.  
25
  6. A packet as claimed in claim 5, wherein the packet has an openable lid and the switch is connected to the lid by longitudinally-extending connecting means.  
30
  7. A packet as claimed in any preceding claim, wherein the switch or other actuatable means is connected to a tab which is adapted to be moved to gain access to the packet contents.  
35
  8. A packet as claimed in claim 7, wherein movement of the tab is arranged to expose or lift at least part or one of the packet contents.  
40
  9. A packet as claimed in any preceding claim, wherein the switch or other actuatable means is actuated other than by physical connection between it and part of the packet or its contents.

10. A packet as claimed in claim 9, wherein the switch or other actuatable means is a proximity switch.

5 11. A packet as claimed in claim 9 or claim 10, wherein the switch or other actuatable means includes photoelectric means.

10 12. A packet as claimed in any preceding claim, wherein the device is arranged such that its switch is actuated by removal of at least one or part of the packet contents.

15 13. A device as claimed in claim 12, wherein the switch or other actuatable means is actuated on removal of a predetermined one or part of the packet contents, whereby a message related to the quantity of the contents remaining in the packet may be played.

20 14. A packet as claimed in any preceding claim, wherein the device is arranged to play a message related to the nature of the packet contents or their manufacturer.

25 15. A packet as claimed in claim 14, wherein the message contains speech and/or musical content.

16. A packet as claimed in any preceding claim, wherein the device is capable of recording and subsequently replaying a message.

25 17. A packet as claimed in any preceding claim, wherein the device is separated from the packet contents by at least one wall.

30 18. A packet as claimed in claim 17, wherein the packet contents and said device are contained in separate compartments.

CONFIDENTIAL

19. A packet substantially as herein described with particular reference to the accompanying drawings.

5

10

10018217.030102

DECLARATION AND POWER OF ATTORNEY FILED WITH U.S. DESIGNATED OFFICE UNDER 35 U.S.C. 371(c)(4)

As a below named inventor, I/we hereby declare that:

My/Our residence, post office address and citizenship are as stated below next to my/our name, I/we believe that I/we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Packet

the specification of which was filed as PCT International Application No. PCT/GB00/01713

filed 5 May 2000 and was amended on \_\_\_\_\_  
(if applicable)

I/We hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I/We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I/We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed
9914366.1 (Number)	United Kingdom (Country) <u>19/06/99</u> (Day/Month/Year Filed) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country) _____ (Day/Month/Year Filed) <input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country) _____ (Day/Month/Year Filed) <input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country) _____ (Day/Month/Year Filed) <input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country) _____ (Day/Month/Year Filed) <input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country) _____ (Day/Month/Year Filed) <input type="checkbox"/> Yes <input type="checkbox"/> No

I/We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I/we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>PCT/GB00/01713</u> (Application Serial No.)	<u>05/05/00</u> (Filing Date)	<u>Pending</u> (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status: patented, pending, abandoned)

DECLARATION AND POWER OF ATTORNEY FILED WITH U.S. DESIGNATED OFFICE UNDER 35 U.S.C. 371(c)(4)

As a below named inventor, I/we hereby declare that:

My/Our residence, post office address and citizenship are as stated below next to my/our name, I/we believe that I/we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Packet

the specification of which was filed as PCT International Application No. PCT/GB00/01713

filed 5 May 2000 and was amended on \_\_\_\_\_  
(if applicable)

I/We hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I/We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I/We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

<u>9914366.1</u> (Number)	<u>United Kingdom</u> (Country)	<u>19/06/99</u> (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<u>                  </u> (Number)	<u>                  </u> (Country)	<u>                  </u> (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<u>                  </u> (Number)	<u>                  </u> (Country)	<u>                  </u> (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<u>                  </u> (Number)	<u>                  </u> (Country)	<u>                  </u> (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<u>                  </u> (Number)	<u>                  </u> (Country)	<u>                  </u> (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I/We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I/we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>PCT/GB00/01713</u> (Application Serial No.)	<u>05/05/00</u> (Filing Date)	<u>Pending</u> (Status: patented, pending, abandoned)
<u>                  </u> (Application Serial No.)	<u>                  </u> (Filing Date)	<u>                  </u> (Status: patented, pending, abandoned)
<u>                  </u> (Application Serial No.)	<u>                  </u> (Filing Date)	<u>                  </u> (Status: patented, pending, abandoned)
<u>                  </u> (Application Serial No.)	<u>                  </u> (Filing Date)	<u>                  </u> (Status: patented, pending, abandoned)

DECLARATION AND POWER OF ATTORNEY FILED WITH U.S. DESIGNATED OFFICE UNDER 35 U.S.C. 371(c)(4)  
As a below named inventor, I/we hereby declare that:

My/Our residence, post office address and citizenship are as stated below next to my/our name, I/we believe that I/we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Packet

the specification of which was filed as PCT International Application No. PCT/GB00/01713

filed 5 May 2000 and was amended on \_\_\_\_\_  
(if applicable)

I/We hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I/We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I/We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

9914366.1 (Number)	United Kingdom (Country)	19/06/99 (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
 (Number)	 (Country)	 (Day/Month/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>
 (Number)	 (Country)	 (Day/Month/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>
 (Number)	 (Country)	 (Day/Month/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>
 (Number)	 (Country)	 (Day/Month/Year Filed)	<input type="checkbox"/>	<input type="checkbox"/>

I/We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I/we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/GB00/01713 (Application Serial No.)	05/05/00 (Filing Date)	Pending (Status: patented, pending, abandoned)
 (Application Serial No.)	 (Filing Date)	 (Status: patented, pending, abandoned)
 (Application Serial No.)	 (Filing Date)	 (Status: patented, pending, abandoned)
 (Application Serial No.)	 (Filing Date)	 (Status: patented, pending, abandoned)

I hereby appoint as principal attorneys: Donald R. Antonelli, Reg. No. 20,296; David T. Terry, Reg. No. 20,178; Melvin Kraus, Reg. No. 22,466; William I. Solomon, Reg. No. 28,565; Gregory E. Montone, Reg. No. 28,141; Ronald J. Shore, Reg. No. 28,577; Donald E. Siout, Reg. No. 26,422; Alan E. Schiavelli, Reg. No. 32,087; James N. Dresser, Reg. No. 22,973 and Carl I. Brundidge, Reg. No. 29,621 to prosecute and transact all business connected with this application and any related United States application and international applications. Please direct all communications to the following address:

ANTONELLI, TERRY, STOUT & KRAUS, LLP

Suite 1800

1300 North Seventeenth Street

Arlington, Virginia 22209

Telephone: (703) 312-6600

Fax: (703) 312-6666

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(Full Name)

(Signature)

Date \_\_\_\_\_ Inventor BAILEY, Thomas William

Residence \_\_\_\_\_ Citizenship British

Post Office Address 13 Westwood Way, Westwood Business Park, Coventry CV4 8HS  
Date \_\_\_\_\_ Inventor CAHILL, Michael John

Residence \_\_\_\_\_ Citizenship British  
Post Office Address 13 Westwood Way, Westwood Business Park, Coventry CV4 8HS  
Date \_\_\_\_\_ Inventor COOKE, Michael Arthur

Residence \_\_\_\_\_ Citizenship British  
Post Office Address PO Box 16008, 3900 Carolina Avenue, Richmond VA23222 USA  
Date \_\_\_\_\_ Inventor GRANT, Peter William

Residence \_\_\_\_\_ Citizenship British  
Post Office Address 11 Tanners Drive, Blakelands, Milton Keynes, MK14 5LU  
Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

I hereby appoint as principal attorneys: Donald R. Antonelli, Reg. No. 20,296; David T. Terry, Reg. No. 20,178; Melvin Kraus, Reg. No. 22,466; William I. Solomon, Reg. No. 28,565; Gregory E. Montone, Reg. No. 28,141; Ronald J. Shore, Reg. No. 28,577; Donald E. Stout, Reg. No. 26,422; Alan E. Schiavelli, Reg. No. 32,087; James N. Dresser, Reg. No. 22,973 and Carl I. Brundidge, Reg. No. 29,621 to prosecute and transact all business connected with this application and any related United States application and international applications. Please direct all communications to the following address:

ANTONELLI, TERRY, STOUT & KRAUS, LLP

Suite 1800

1300 North Seventeenth Street

Arlington, Virginia 22209

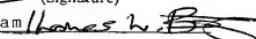
Telephone: (703) 312-6600

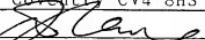
Fax: (703) 312-6666

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(Full Name)

(Signature)

Date \_\_\_\_\_ Inventor BATLEY, Thomas William  Citizenship British

Residence \_\_\_\_\_ Citizenship British  
Post Office Address 13 Westwood Way, Westwood Business Park, Coventry CV4 8HS  
Date \_\_\_\_\_ Inventor CAHILL, Michael John 

Residence \_\_\_\_\_ Citizenship British  
Post Office Address 13 Westwood Way, Westwood Business Park, Coventry CV4 8HS  
Date \_\_\_\_\_ Inventor COOKE, Michael Arthur

Residence \_\_\_\_\_ Citizenship British  
Post Office Address PO Box 16008, 3900 Carolina Avenue, Richmond VA23222 USA

Date \_\_\_\_\_ Inventor GRANT, Peter William   
Residence \_\_\_\_\_ Citizenship British

Post Office Address 11 Tanners Drive, Blakelands, Milton Keynes, MK14 5LU  
Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_  
Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

I hereby appoint as principal attorneys, Donald R. Antonelli, Reg. No. 20,296; David T. Terry, Reg. No. 20,178; Melvin Kraus, Reg. No. 22,466; William I. Solomon, Reg. No. 28,365; Gregory E. Montone, Reg. No. 28,141; Ronald J. Shore, Reg. No. 28,577; Donald E. Stout, Reg. No. 26,422; Alan E. Schiavelli, Reg. No. 32,087; James N. Dresser, Reg. No. 22,973 and Carl I. Brundidge, Reg. No. 29,621 to prosecute and transact all business connected with this application and any related United States application and international applications. Please direct all communications to the following address:

ANTONELLI, TERRY, STOUT & KRAUS, LLP  
Suite 1800  
1300 North Seventeenth Street  
Arlington, Virginia 22209  
Telephone: (703) 312-6600  
Fax: (703) 312-6666

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(Full Name)

(Signature)

Date \_\_\_\_\_ Inventor BAILEY, Thomas William

Residence \_\_\_\_\_ Citizenship British

Post Office Address 13 Westwood Way, Westwood Business Park, Coventry CV4 8HS  
Date \_\_\_\_\_ Inventor CAHILL, Michael John

Residence \_\_\_\_\_ Citizenship British

Post Office Address 13 Westwood Way, Westwood Business Park, Coventry CV4 8HS  
Date \_\_\_\_\_ Inventor COOKE, Michael Arthur

Residence \_\_\_\_\_ Citizenship British

Post Office Address PO Box 16008, 3900 Carolina Avenue, Richmond VA23222 USA

Date \_\_\_\_\_ Inventor GRANT, Peter William  
 Residence \_\_\_\_\_ Citizenship British

Post Office Address 11 Tanners Drive, Blakelands, Milton Keynes, MK14 5LU  
Date \_\_\_\_\_ Inventor \_\_\_\_\_ (CBV)

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_